

CLAIMS

[1] A mobile communication terminal casing for forming an external wall portion of a mobile communication terminal, said mobile communication terminal casing comprising:

non-power-supplied image display means provided in at least a part of a portion
5 that is exposed externally when being provided to said mobile communication terminal,
and being capable of maintaining a display state of an image even in a non-power-supplied
state; and

signal receiving means for receiving an electrical signal for allowing an image to
be displayed on said non-power-supplied image display means.

10 [2] A mobile communication terminal comprising:

a casing forming an external wall portion; and
memory means for memorizing image data; wherein

non-power-supplied image display means capable of maintaining a display state of
an image based on image data memorized in said memory means even in a
15 non-power-supplied state is provided in at least a part of an externally exposed portion of
said casing.

[3] A mobile communication terminal according to claim 2, said mobile communication terminal comprising:

display control means for performing display control to change an image
20 displayed on said non-power-supplied image display means.

[4] A mobile communication terminal according to claim 2 or 3, said mobile communication terminal comprising:

image data selection and storage means for selecting a piece of image data that
matches an appearance of said external wall portion from a plurality of pieces of image
25 data memorized in an external memory medium, and for storing the selected image data in

said memory means.

[5] A mobile communication terminal according to claim 2 or 3, said mobile communication terminal comprising:

- image data acquisition and storage means for acquiring image data of an image
- 5 according to an image acquisition request via a communication network by sending the image acquisition request to a server apparatus having an external memory medium via the communication network, and for storing the image data said the memory means; wherein
 - said image data acquisition and storage means sends an appearance identification information for identifying appearance of the external wall portion to said server apparatus
- 10 via the communication network, when acquiring the image data.

[6] A mobile communication terminal according to claim 2 or 3, said mobile communication terminal comprising:

- processing means for processing image data memorized in said memory means in accordance with the appearance of the external wall portion; wherein
 - 15 an image based on the image data processed by said processing means is displayed on said non-power-supplied image display means.

[7] A server apparatus for sending image data memorized in image data memory means to a mobile communication terminal via a communication network: wherein

- said image data memory means memorizes a plurality of pieces of image data
- 20 corresponding to a plurality of mobile communication terminals having external wall portions of which appearances are different from one another respectively, for an image of a same type; and

said server apparatus comprising

- image data reading means for reading image data of an image according to
- 25 an image acquisition request corresponding to an mobile communication terminal from

said image data memory means, based on the image acquisition request received from the mobile communication terminal via the communication network and an appearance identification information for identifying the appearance of external wall portion of the mobile communication terminal, and

5 image data sending means for sending the image data read by said image data reading means to the mobile communication terminal via the communication network.

[8] A server apparatus for sending image data memorized in image data memory means to a mobile communication terminal via a communication network, said server apparatus comprising:

10 image data processing means for processing image data of an image according to an image acquisition request in accordance with an appearance of external wall portion of the mobile communication terminal which is identified by an appearance identification information, based on the image acquisition request received from the mobile communication terminal via the communication network and the appearance identification information for identifying the appearance of external wall portion of the mobile communication terminal, and

15 image data sending means for sending the image data processed by said image data processing means to the mobile communication terminal via the communication network.

20 [9] A mobile communication system comprising a mobile communication terminal and a server apparatus for sending image data memorized in image data memory means to said mobile communication terminal via a communication network: wherein

 said mobile communication terminal comprising;

25 non-power-supplied image display means being provided in at least a part of an externally exposed portion of a casing forming an external wall portion, and being

capable of maintaining a display state of an image which is based on image data memorized in said memory means even in a non-power-supplied state;

display control means performing display control to change an image displayed on said non-power-supplied image display means;

5 data acquiring means for sending an image acquisition request to said server apparatus via the communication network and receiving image data of an image according to the image acquisition request from said server apparatus via the communication network; and

data storage means for storing the image data acquired by said image data
10 acquiring means in said memory means: and

said server apparatus being configured to read image data of an image according to the image acquisition request received from the mobile communication terminal via the communication network, from the image data storage means, and to send the image data to the mobile communication terminal via the communication network.

15 [10] A mobile communication terminal comprising:

a casing forming an external wall portion;

memory means for memorizing image data; and

control means for executing a program and performing a control in accordance with a content of the program; wherein

20 non-power-supplied image display means is provided in at least a part of an externally exposed portion of said casing, which is capable of maintaining, even in a non-power-supplied state, a display state of an image which is based on image data memorized in said memory means;

the image data is memorized in said memory means in a state such that the image

25 data is associated with a specific program executable by said control means; and

said control means performs a control to read the image data associated with the specific program from said memory means and display an image which is based on the image data on said non-power-supplied image display means, during execution of the specific program.

5 [11] A mobile communication terminal according to claim 10, said mobile communication terminal comprising:

image data acquisition and storage means for acquiring image data of an image displayed on said non-power-supplied image display means wherein the image data is associated with the specific program, when acquiring the specific program from an 10 external memory medium, from the external memory medium or another external memory medium, and for storing the image data in said memory means.

[12] A mobile communication terminal comprising:

a casing forming an external wall portion; and
memory means for memorizing image data; wherein
15 power-supplied image display means is provided in at least a part of an externally exposed portion of said casing, which cannot maintain a display state of an image in a non-power-supplied state;

non-power-supplied image display means is provided in at least a part of an externally exposed portion of said casing, which is capable of maintaining a display state 20 of an image based on image data memorized in said memory means, even in a non-power-supplied state;

the image data is memorized in said memory means in a state such that the image data is associated with an image displayed on said power-supplied image display means;
and

25 said mobile communication terminal includes a control means for performing a

control to read image data associated with the image from said memory means and display an image based on the image data on said non-power-supplied image display means, during an image is displayed on said power-supplied image display means.

[13] A mobile communication terminal according to claim 12, said mobile
5 communication terminal comprising:

image data acquisition and storage means for acquiring image data of an image displayed on said non-power-supplied image display means wherein the image data is associated with the image data displayed on said power-supplied image display means, when acquiring image data of the image to be displayed on said power-supplied image
10 display means from an external memory medium, from the external memory medium or other external memory media, and for storing the image data in said memory means.

[14] A server apparatus for sending data memorized in data memory means to said mobile communication terminal according to claim 11 via a communication network:
wherein

15 said data memory means memorizes data of the specific program and image data of an image to be displayed on said non-power-supplied image display means in a state such that the image data is associated with the data of the specific program data; and

said server apparatus includes data sending means for reading data of a specific program according to a program acquisition request and image data associated with the
20 data of the specific program from said data memory means, in response to the program acquisition request received from the mobile communication terminal via the communication network, and for sending the read data to said mobile communication terminal via the communication network.

[15] A server apparatus sending data memorized in data memory means to said mobile
25 communication terminal according to claim 13 via a communication network: wherein

said data memory means memorizes image data of an image to be displayed on said power-supplied image display means and image data of an image to be displayed on said non-power-supplied image display means in a state such that the image data of an image to be displayed on said non-power-supplied image display means is associated with
5 the image data of an image to be displayed on said power-supplied image display means;
and

 said server apparatus includes data sending means for reading, from said data memory means, image data according to an image acquisition request and image data of an image displayed on said non-power-supplied image display means wherein the image data
10 of the image is associated with the image data according to the image acquisition request, in response to the image acquisition request received from said mobile communication terminal via the communication network for image data of an image to be displayed on said power-supplied image display means, and for sending the read data to said mobile communication terminal via the communication network.

15 [16] A mobile communication system comprising:

 said mobile communication terminal according to claim 11; and
 said server apparatus according to claim 14 capable of communicating with said mobile communication terminal via a communication network.

[17] A mobile communication system comprising:

20 said mobile communication terminal according to claim 13; and
 said server apparatus according to claim 15 capable of communicating with said mobile communication terminal via a communication network.

[18] A mobile communication terminal comprising:

 a casing forming an external wall portion;
25 memory means for memorizing image data; wherein

non-power-supplied image display means capable of maintaining a display state of an image based on image data memorized in said memory means, even in a non-power-supplied state, is provided in at least a part of an externally exposed portion of said casing; and

5 said mobile communication terminal includes:

 appearance identification information memory means for memorizing appearance identification information for identifying a pattern or a color or a combination thereof of the other portion of said casing; and

10 image data selection and storage means for selecting, from a plurality of pieces of image data memorized in an external memory medium so as to be associated with the appearance identification information, a piece of image data corresponding to the appearance identification information memorized in said appearance identification information memory means, and for storing the selected image data in said memory means.

[19] A mobile communication terminal comprising:

15 a casing forming an external wall portion;

 memory means for memorizing image data; wherein

 non-power-supplied image display means capable of maintaining a display state of an image based on image data memorized in said memory means, even in a non-power-supplied state, is provided in at least a part of an externally exposed portion of 20 said casing; and

 said mobile communication terminal includes processing means for processing image data memorized in said memory means to add or change at least one of a pattern and a color of the image data; wherein an image based on the image data processed by said processing means is displayed on said non-power-supplied image display means.

25 [20] A mobile communication terminal comprising:

a casing forming an external wall portion;
memory means for memorizing image data; wherein
non-power-supplied image display means capable of maintaining a display state of
an image based on image data memorized in said memory means, even in a
5 non-power-supplied state, is provided in at least a part of an externally exposed portion of
said casing; and

said mobile communication terminal includes image data acquisition and storage
means for acquiring image data of an image according to the image acquisition request via
the communication network, by sending via a communication network an image
10 acquisition request to a server apparatus having an external memory medium, and for
storing the image data in said memory means; wherein

said image data acquisition and storage means sends, when acquiring the image
data, appearance identification information for identifying a pattern or a color or a
combination thereof of other portion of the casing, to the server apparatus via the
15 communication network.

[21] A server apparatus for sending image data memorized in image data memory
means to said mobile communication terminal according to claim 20 via a communication
network, wherein

said image data memory means memorizes a plurality of pieces of image data in a
20 state such that the pieces of image data are associated with the appearance identification
information, respectively; and

said server apparatus includes:

image data reading means for reading, based on the image acquisition
request received from said mobile communication terminal via the communication network
25 and the appearance identification information, image data of an image according to the

image acquisition request which corresponds to the appearance identification information, from said image data memory means; and

image data sending means for sending the image data read by said image data reading means to said mobile communication terminal via the communication network.

5 [22] A server apparatus for sending image data memorized in image data memory means to said mobile communication terminal according to claim 20 via a communication network, said server apparatus comprising:

image data processing means for performing a process for image data of an image according to an image acquisition request, based on the image acquisition request received from the mobile communication terminal via the communication network and the appearance identification information, to add or change at least one of a pattern and a color of the image data; and

image data sending means sending the image data processed by said image data processing means to the mobile communication terminal via the communication network.

15 [23] A mobile communication system comprising:

said mobile communication terminal according to claim 20; and

said server apparatus according to claim 21 or 22.